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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Derek Shaw et al.                      Art Unit : Unknown  
Serial No. : Not yet assigned                      Examiner : Unknown  
Filed : March 31, 2004  
Title : AUTOMATICALLY OPERABLE SAFETY SHIELD SYSTEM FOR SYRINGES

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449.

Under 35 USC §120, this application relies on the earlier filing date of application serial number 09/936,859, filed on November 15, 2001. The following references were submitted to and/or cited by the Office in the prior application and, therefore, are not provided in this application.

This statement is being filed with the application. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: March 31, 2004

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| Substitute Form PTO-1449<br>(Modified)<br><br><b>Information Disclosure Statement<br/>by Applicant</b><br>(Use several sheets if necessary)<br><br>(37 CFR §1.98(b)) | U.S. Department of Commerce<br>Patent and Trademark Office | Attorney's Docket No.<br><b>06275-283US2</b> | Application No.<br>..... |
|  | Applicant<br><b>Derek Shaw et al.</b>                      |  |                          |
|  | Filing Date  | Group Art Unit                               |                          |

| U.S. Patent Documents |           |                 |                  |                 |       |          |                            |
|-----------------------|-----------|-----------------|------------------|-----------------|-------|----------|----------------------------|
| Examiner Initial      | Desig. ID | Document Number | Publication Date | Patentee        | Class | Subclass | Filing Date If Appropriate |
|                       | AA        | 2,571,653       | 10/16/1951       | Bastien         | 128   | 218      |                            |
|                       | AB        | 2,845,065       | 07/29/1958       | Gabriel         | 128   | 215      |                            |
|                       | AC        | 3,377,989       | 04/16/1968       | Sandhage et al. | 119   | 1        |                            |
|                       | AD        | 3,780,734       | 12/25/1973       | Wulff           | 128   | 218      |                            |
|                       | AE        | 3,890,971       | 06/24/1975       | Leeson et al.   | 128   | 218      |                            |
|                       | AF        | 4,170,933       | 10/16/1979       | Meamber         | 99    | 349      |                            |
|                       | AG        | 4,356,822       | 11/02/1982       | Winstead-Hall   | 128   | 215      |                            |
|                       | AH        | 4,373,526       | 02/15/1983       | Kling           | 128   | 215      |                            |
|                       | AI        | 4,416,663       | 11/22/1983       | Hall            | 604   | 163      |                            |
|                       | AJ        | 4,425,120       | 01/10/1984       | Sampson et al.  | 604   | 198      |                            |
|                       | AK        | 4,631,057       | 12/23/1986       | Mitchell        | 604   | 198      |                            |
|                       | AL        | 4,737,144       | 04/12/1988       | Choksi          | 604   | 198      |                            |
|                       | AM        | 4,795,432       | 01/03/1989       | Karczmer        | 604   | 110      |                            |
|                       | AN        | 4,813,940       | 03/21/1989       | Parry           | 604   | 198      |                            |
|                       | AO        | 4,850,968       | 07/25/1989       | Romano          | 604   | 110      |                            |
|                       | AP        | 4,850,977       | 07/25/1989       | Bayless         | 604   | 198      |                            |
|                       | AQ        | 4,863,434       | 09/05/1989       | Bayless         | 604   | 198      |                            |
|                       | AR        | 4,894,055       | 01/16/1990       | Sudnak          | 604   | 198      |                            |
|                       | AS        | 4,900,311       | 02/13/1990       | Stern et al.    | 604   | 198      |                            |
|                       | AT        | 4,911,693       | 03/27/1990       | Paris           | 604   | 192      |                            |
|                       | AU        | 4,929,237       | 05/29/1990       | Medway          | 604   | 198      |                            |
|                       | AV        | 4,932,940       | 06/12/1990       | Walker et al.   | 604   | 110      |                            |
|                       | AW        | 4,932,947       | 06/12/1990       | Cardwell        | 604   | 198      |                            |
|                       | AX        | 4,936,830       | 06/26/1990       | Verlier         | 604   | 110      |                            |
|                       | AY        | 4,946,446       | 08/07/1990       | Vadher          | 604   | 198      |                            |
|                       | AZ        | 4,966,592       | 10/30/1990       | Burns et al.    | 604   | 198      |                            |
|                       | AAA       | 4,985,021       | 01/15/1991       | Straw et al.    | 604   | 198      |                            |

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| Examiner Signature   | Date Considered |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |

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|  | Applicant<br><b>Derek Shaw et al.</b>                      |  |  |                     |
|  | Filing Date  |  | Group Art Unit                               |                     |

| U.S. Patent Documents |           |                 |                  |                     |       |          |                            |
|-----------------------|-----------|-----------------|------------------|---------------------|-------|----------|----------------------------|
| Examiner Initial      | Desig. ID | Document Number | Publication Date | Patentee            | Class | Subclass | Filing Date If Appropriate |
|                       | ABB       | 5,019,051       | 05/28/1991       | Hake                | 604   | 198      |                            |
|                       | ACC       | 5,059,180       | 10/22/1992       | McLees              | 604   | 110      |                            |
|                       | ADD       | 5,061,251       | 10/29/1991       | Juhasz              | 604   | 198      |                            |
|                       | AEE       | 5,057,086       | 10/15/1991       | Dillard, III et al. | 604   | 195      |                            |
|                       | AFF       | 5,106,379       | 04/21/1992       | Leap                | 604   | 198      |                            |
|                       | AGG       | 5,116,326       | 05/26/1992       | Schmidt             | 604   | 198      |                            |
|                       | AHH       | 5,147,303       | 09/15/1992       | Martin              | 604   | 110      |                            |
|                       | AII       | 5,163,918       | 11/17/1992       | Righi et al.        | 604   | 198      |                            |
|                       | AJJ       | 5,169,392       | 12/08/1992       | Ranford et al.      | 604   | 198      |                            |
|                       | AKK       | 5,176,643       | 01/05/1993       | Kramer et al.       | 604   | 135      |                            |
|                       | ALL       | 5,201,708       | 04/13/1993       | Martin              | 604   | 110      |                            |
|                       | AMM       | 5,256,153       | 10/26/1993       | Hake                | 604   | 198      |                            |
|                       | ANN       | 5,267,976       | 12/07/1993       | Guerineau et al.    | 604   | 198      |                            |
|                       | AOO       | 5,271,744       | 12/21/1993       | Kramer et al.       | 604   | 51       |                            |
|                       | APP       | 5,279,584       | 01/18/1994       | Dillard, III et al. | 604   | 198      |                            |
|                       | AQQ       | 5,308,332       | 05/03/1994       | Dillard, III et al. | 604   | 110      |                            |
|                       | ARR       | 5,314,414       | 05/24/1994       | Hake et al.         | 604   | 198      |                            |
|                       | ASS       | 5,338,310       | 08/16/1994       | Lewandowski         | 604   | 192      |                            |
|                       | ATT       | 5,342,309       | 08/30/1994       | Hausser             | 604   | 110      |                            |
|                       | AUU       | 5,342,320       | 08/30/1994       | Cameron             | 604   | 192      |                            |
|                       | AVV       | 5,376,080       | 12/27/1994       | Petrussa            | 604   | 198      |                            |
|                       | AWW       | 5,382,241       | 01/17/1995       | Choudhury et al.    | 604   | 192      |                            |
|                       | AXX       | 5,385,555       | 01/31/1995       | Hausser             | 604   | 192      |                            |
|                       | YYY       | 5,429,612       | 07/04/1995       | Berthier            | 604   | 198      |                            |
|                       | AZZ       | 5,494,536       | 02/20/1996       | Mascia              | 604   | 197      |                            |
|                       | AAAA      | 5,531,706       | 07/02/1996       | du la Fuente        | 604   | 198      |                            |
|                       | ABBB      | 5,562,624       | 10/08/1996       | Righi et al.        | 604   | 110      |                            |

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|  | Applicant<br><b>Derek Shaw et al.</b>                      |  |                 |
|  | Filing Date  | Group Art Unit                               |                 |

| U.S. Patent Documents |           |                 |                  |                    |       |          |                            |
|-----------------------|-----------|-----------------|------------------|--------------------|-------|----------|----------------------------|
| Examiner Initial      | Desig. ID | Document Number | Publication Date | Patentee           | Class | Subclass | Filing Date If Appropriate |
|                       | ACCC      | 5,562,626       | 10/08/1996       | Sanpietro          | 604   | 110      |                            |
|                       | ADDD      | 5,573,514       | 11/12/1996       | Stiehl et al.      | 604   | 198      |                            |
|                       | AEEE      | 5,601,535       | 02/11/1997       | Byrne et al.       | 604   | 198      |                            |
|                       | AFFF      | 5,647,849       | 07/15/1997       | Kalin              | 604   | 111      |                            |
|                       | AGGG      | 5,658,254       | 08/19/1997       | Reichenbach et al. | 604   | 192      |                            |
|                       | AHHH      | 5,658,259       | 08/19/1997       | Pearson et al.     | 604   | 232      |                            |
|                       | AIII      | 5,674,203       | 10/07/1997       | Lewandowski        | 604   | 197      |                            |
|                       | AJJJ      | 5,695,474       | 12/09/1997       | Daugherty          | 604   | 162      |                            |
|                       | AKKK      | 5,697,908       | 12/16/1997       | Imbert et al.      | 604   | 110      |                            |
|                       | ALLL      | 5,700,246       | 12/23/1997       | Stiehl et al.      | 604   | 198      |                            |
|                       | AMMM      | 5,713,871       | 02/03/1998       | Stock              | 604   | 192      |                            |
|                       | ANNN      | 5,733,264       | 03/31/1998       | Flowers            | 604   | 198      |                            |
|                       | AOOO      | 5,735,823       | 04/07/1998       | Berger             | 604   | 192      |                            |
|                       | APPP      | 5,811,061       | 09/22/1998       | Martinson et al.   | 122   | 102      |                            |
|                       | AQQQ      | 5,817,064       | 10/06/1998       | DeMarco et al.     | 604   | 198      |                            |
|                       | ARRR      | 5,843,041       | 12/01/1998       | Hake et al.        | 604   | 198      |                            |
|                       | ASSS      | 5,855,839       | 01/05/1999       | Brunel             | 264   | 524      |                            |
|                       | ATTT      | 5,947,933       | 09/07/1999       | Reichenbach et al. | 604   | 198      |                            |
|                       | AUUU      | 5,968,019       | 10/19/1999       | Lee                | 604   | 195      |                            |
|                       | AVVV      | 6,004,296       | 12/21/1999       | Jansen et al.      | 604   | 198      |                            |
|                       | AWWW      | 6,186,980 B1    | 02/13/2001       | Brunel             | 604   | 110      |                            |
|                       | AXXX      | 6,210,374 B1    | 04/03/2001       | Malencheck         | 604   | 192      |                            |
|                       | AYYY      | 6,213,977 B1    | 04/10/2001       | Hjertman et al.    | 604   | 117      |                            |
|                       | AZZZ      | 6,217,559       | 04/17/2001       | Foster             | 604   | 195      |                            |
|                       | AAAAA     | DES. 418,222    | 12/28/1999       | Pellow             | D24   | 130      |                            |
|                       | ABBBB     |                 |                  |                    |       |          |                            |
|                       | ACCCC     |                 |                  |                    |       |          |                            |

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|  | Applicant<br><b>Derek Shaw et al.</b>                      |  |                 |
|  | Filing Date  | Group Art Unit                               |                 |

| Foreign Patent Documents or Published Foreign Patent Applications |           |                 |                  |                          |       |          |             |    |
|---|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|----|
| Examiner Initial  | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation |    |
|   |           |                 |                  |                          |       |          | Yes         | No |
|   | ADDDD     | DE 19755125 A1  | 06/24/1999       | Germany                  | 5     | 32       |             |    |
|   | AEEEE     | 0 307 367 B1    | 06/17/1992       | Europe                   | 5     | 315      |             |    |
|   | AFFFF     | 0 405 039       | 01/02/1991       | Europe                   | 5     | 32       |             |    |
|   | AGGGG     | 0 645 155 A2    | 09/27/1994       | Europe                   | 5     | 32       |             |    |
|   | AHHHH     | EP 0 966 983 A1 | 12/29/1999       | Europe                   | 5     | 32       |             |    |
|   | AIIII     | FR 2 648 716    | 12/27/1990       | France                   | 5     | 50       |             |    |
|   | AJJJJ     | GB 2 202 747 A  | 10/05/1988       | Great Britain            | 5     | 32       |             |    |
|   | AKKKK     | WO 93/00949     | 01/21/1993       | WIPO                     | 5     | 32       |             |    |
|   | ALLLL     | WO 98/35714     | 08/20/1998       | WIPO                     | 5     | 32       |             |    |
|   | AMMMM     | WO 99/25402     | 05/27/1999       | WIPO                     | 5     | 46       |             |    |
|   | ANNNN     | WO 00/33900     | 06/15/2000       | WIPO                     | 5     | 32       |             |    |
|   | AOOOO     |                 |                  |                          |       |          |             |    |

| Other Documents (include Author, Title, Date, and Place of Publication) |           |  |
|---|-----------|--|
| Examiner Initial  | Desig. ID | Document                               |
|   | APPPP     | Copy of IPEA Report for PCT/GB01/00590 |
|   | AQQQQ     |  |
|   | ARRRR     |  |
|   | ASSSS     |  |

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| Substitute Form PTO-1449<br>(Modified)   | U.S. Department of Commerce<br>Patent and Trademark Office | Attorney's Docket No.<br>06275-283US2 | Application No. |
| <b>Information Disclosure Statement<br/>by Applicant</b><br>(Use several sheets if necessary)<br><br>(37 CFR §1.98(b)) |  | Applicant<br>Derek Shaw et al.        |                 |
|  |  | Filing Date                           | Group Art Unit  |

| U.S. Patent Documents |           |               |            |                 |       |          |                            |
|-----------------------|-----------|---------------|------------|-----------------|-------|----------|----------------------------|
| Examiner Initial      | Desig. ID | Patent Number | Issue Date | Patentee        | Class | Subclass | Filing Date If Appropriate |
|                       | B AA      | 4,850,994     | 07/25/1989 | Zerbst et al.   | 604   | 198      |                            |
|                       | B AB      | 5,057,087     | 10/15/1991 | Harmon          | 604   | 198      |                            |
|                       | B AC      | 5,169,392     | 12/08/1992 | Ranford et al.  | 604   | 198      |                            |
|                       | B AD      | 5,300,039     | 04/05/1994 | Poulsen         | 604   | 198      |                            |
|                       | B AE      | 5,338,303     | 08/16/1994 | King et al.     | 604   | 110      |                            |
|                       | B AF      | 5,531,706     | 07/02/1996 | De la Fuente    | 604   | 198      |                            |
|                       | B AG      | 5,601,535     | 02/11/1997 | Byrne et al.    | 604   | 198      |                            |
|                       | B AH      | 5,997,513     | 12/07/1999 | Smith et al.    | 604   | 198      |                            |
|                       | B AI      | 6,030,366     | 02/29/2000 | Mitchell        | 604   | 192      |                            |
|                       | B AJ      | 6,159,184,    | 12/12/2000 | Perez et al.    | 604   | 192      |                            |
|                       | B AK      | 6,183,446     | 02/06/2001 | Jeanbourquin    | 604   | 198      |                            |
|                       | B AL      | 6,190,361     | 02/20/2001 | Gettig et al.   | 604   | 192      |                            |
|                       | B AM      | 6,213,977     | 04/10/2001 | Hjertman et al. | 604   | 117      |                            |
|                       | B AN      | 6,217,559     | 04/17/2001 | Foster          | 604   | 195      |                            |
|                       | B AO      |               |            |                 |       |          |                            |

| Foreign Patent Documents or Published Foreign Patent Applications |           |                 |                  |                          |       |          |             |    |
|---|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|----|
| Examiner Initial  | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation |    |
|   |           |                 |                  |                          |       |          | Yes         | No |
|   | B AP      |                 |                  |                          |       |          |             |    |
|   | B AQ      |                 |                  |                          |       |          |             |    |

| Other Documents (include Author, Title, Date, and Place of Publication) |           |          |
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| Examiner Initial  | Desig. ID | Document |
|   | B AR      |          |
|   | B AS      |          |
|   | B AT      |          |
|   | B AU      |          |

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|  | Applicant<br><b>Derek Shaw et al.</b>                      |  |                 |
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| U.S. Patent Documents |           |                 |                  |                          |       |          |                            |
|-----------------------|-----------|-----------------|------------------|--------------------------|-------|----------|----------------------------|
| Examiner Initial      | Desig. ID | Document Number | Publication Date | Patentee                 | Class | Subclass | Filing Date If Appropriate |
|                       | C AA      | 5,201,720       | 04/1993          | Dawn Boergia et al.      |       |          |                            |
|                       | C AB      | 5,811,061       | 09/1998          | Jeffrey Martinson et al. |       |          |                            |
|                       | C AC      | 5,429,612       | 07/1995          | Michael Berthier         |       |          |                            |
|                       | C AD      |                 |                  |                          |       |          |                            |
|                       | C AE      |                 |                  |                          |       |          |                            |
|                       | C AF      |                 |                  |                          |       |          |                            |
|                       | C AG      |                 |                  |                          |       |          |                            |
|                       | C AH      |                 |                  |                          |       |          |                            |
|                       | C AI      |                 |                  |                          |       |          |                            |
|                       | C AJ      |                 |                  |                          |       |          |                            |
|                       | C AK      |                 |                  |                          |       |          |                            |

| Foreign Patent Documents or Published Foreign Patent Applications |           |                 |                  |                          |       |          |             |    |
|---|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|----|
| Examiner Initial  | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation |    |
|   |           |                 |                  |                          |       |          | Yes         | No |
|   | C AL      | WO 98/35714     | 08/1998          | WIPO                     |       |          |             |    |
|   | C AM      |                 |                  |                          |       |          |             |    |
|   | C AN      |                 |                  |                          |       |          |             |    |
|   | C AO      |                 |                  |                          |       |          |             |    |
|   | C AP      |                 |                  |                          |       |          |             |    |

| Other Documents (include Author, Title, Date, and Place of Publication) |           |          |
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| Examiner Initial  | Desig. ID | Document |
|   | C AQ      |          |
|   | C AR      |          |
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